



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/803,858  
Source: FWO -  
Date Processed by STIC: 3/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/803,858

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
  
- 4      Non-ASCII    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length    Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"    A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)             . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
  
- 7      Skipped Sequences  
    (OLD RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
                     (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                     (i)       SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                     (xi)      SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                     This sequence is intentionally skipped  
  
                     Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
                     <210> sequence id number  
                     <400> sequence id number  
                     000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                     Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                     In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>  
    Response    Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
  
- 11      Use of <220>    Sequence(s)              missing the <220> "Feature" and associated numeric identifiers and responses.  
                     Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                     (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0  
    "bug"    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa    "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 03/29/2004

PATENT APPLICATION: US/10/803,858

TIME: 12:12:22

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

3 <110> APPLICANT: Liew, Choong-Chin  
 5 <120> TITLE OF INVENTION: Methods for the Detection of Heart-Specific Gene Transcripts  
 in Blood and

6 Uses Thereof

8 &lt;130&gt; FILE REFERENCE: 2431/2053B

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/803,858

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2004-03-18

10 &lt;150&gt; PRIOR APPLICATION NUMBER: 10/268,730

11 &lt;151&gt; PRIOR FILING DATE: 2002-10-04

13 &lt;150&gt; PRIOR APPLICATION NUMBER: 09/477,148

14 &lt;151&gt; PRIOR FILING DATE: 2000-01-04

16 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/115,125

17 &lt;151&gt; PRIOR FILING DATE: 1999-01-06

19 &lt;160&gt; NUMBER OF SEQ ID NOS: 10

21 &lt;170&gt; SOFTWARE: PatentIn version 3.1

23 &lt;210&gt; SEQ ID NO: 1

24 &lt;211&gt; LENGTH: 18

25 &lt;212&gt; TYPE: DNA

26 &lt;213&gt; ORGANISM: Artificial

28 &lt;220&gt; FEATURE:

29 &lt;223&gt; OTHER INFORMATION: primer\_bind

31 &lt;400&gt; SEQUENCE: 1

32 gccctctggg gacctgac

35 &lt;210&gt; SEQ ID NO: 2

36 &lt;211&gt; LENGTH: 18

37 &lt;212&gt; TYPE: DNA

38 &lt;213&gt; ORGANISM: Artificial

40 &lt;220&gt; FEATURE:

41 &lt;223&gt; OTHER INFORMATION: primer\_bind

43 &lt;400&gt; SEQUENCE: 2

44 cccacctgca ggtcctct

47 &lt;210&gt; SEQ ID NO: 3

48 &lt;211&gt; LENGTH: 24

49 &lt;212&gt; TYPE: DNA

50 &lt;213&gt; ORGANISM: Artificial

52 &lt;220&gt; FEATURE:

53 &lt;223&gt; OTHER INFORMATION: primer\_bind

55 &lt;400&gt; SEQUENCE: 3

56 gctggaacgt agagactccc tgct

59 &lt;210&gt; SEQ ID NO: 4

60 &lt;211&gt; LENGTH: 24

61 &lt;212&gt; TYPE: DNA

62 &lt;213&gt; ORGANISM: Artificial

64 &lt;220&gt; FEATURE:

pp 1-2  
 Does Not Comply  
 Corrected Diskette Needed

This is an appropriate <2217 NAME/KEY:  
 response, but

18 hot one for  
 line <2237. Give  
 source of genetic  
 material on  
 18 <2237 line,  
 (to explain  
 Artificial Sequence)  
 See item 11  
 on Error  
 24 summary  
 sheet.

## RAW SEQUENCE LISTING

DATE: 03/29/2004

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

65 <223> OTHER INFORMATION: primer\_bind  
 67 <400> SEQUENCE: 4  
 68 ggatccttcc agatcatcca ctg 24  
 71 <210> SEQ ID NO: 5  
 72 <211> LENGTH: 20  
 73 <212> TYPE: DNA  
 74 <213> ORGANISM: Artificial  
 76 <220> FEATURE:  
 77 <223> OTHER INFORMATION: primer\_bind  
 79 <400> SEQUENCE: 5  
 80 ggatttcaag aatttgctgg 20  
 83 <210> SEQ ID NO: 6  
 84 <211> LENGTH: 20  
 85 <212> TYPE: DNA  
 86 <213> ORGANISM: Artificial  
 88 <220> FEATURE:  
 89 <223> OTHER INFORMATION: primer\_bind  
 91 <400> SEQUENCE: 6  
 92 gcagatcgat cagaggagtc 20  
 95 <210> SEQ ID NO: 7  
 96 <211> LENGTH: 20  
 97 <212> TYPE: DNA  
 98 <213> ORGANISM: Artificial  
 100 <220> FEATURE:  
 101 <223> OTHER INFORMATION: primer\_bind  
 103 <400> SEQUENCE: 7  
 104 ggatgcttca tgtgaacgtg 20  
 107 <210> SEQ ID NO: 8  
 108 <211> LENGTH: 19  
 109 <212> TYPE: DNA  
 110 <213> ORGANISM: Artificial  
 112 <220> FEATURE:  
 113 <223> OTHER INFORMATION: primer\_bind  
 115 <400> SEQUENCE: 8  
 116 tcattcacac cagcacatg 19  
 119 <210> SEQ ID NO: 9  
 120 <211> LENGTH: 21  
 121 <212> TYPE: DNA  
 122 <213> ORGANISM: Artificial  
 124 <220> FEATURE:  
 125 <223> OTHER INFORMATION: primer\_bind  
 127 <400> SEQUENCE: 9  
 128 cacargagrc arggtcaacg a 21  
 131 <210> SEQ ID NO: 10  
 132 <211> LENGTH: 22  
 133 <212> TYPE: DNA  
 134 <213> ORGANISM: Artificial  
 136 <220> FEATURE:  
 137 <223> OTHER INFORMATION: primer\_bind

RAW SEQUENCE LISTING

DATE: 03/29/2004

PATENT APPLICATION: US/10/803,858

TIME: 12:12:22

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

139 <400> SEQUENCE: 10

140 ggattaaaat gaagcaccca ga

22

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/803,858

DATE: 03/29/2004  
TIME: 12:12:23

Input Set : A:\pto.da.txt  
Output Set: N:\CRF4\03292004\J803858.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/803,858

DATE: 03/29/2004

TIME: 12:12:23

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date